

2.5G/ 10G Ethernet Switch

User Manual



It may cause wireless signal interference when the device is running in a residential environment.

1.1Beta

Statement:

The product specifications and information mentioned in this manual are for reference only and content may be updated without notice. If no special agreement, this manual is for guidance purposes only and is not guaranteed in any way.

Installation Manual Introduction:

This manual introduces the installation of the 2.5G/10G switch, port definitions, indicator definitions, front panel sticker, and the points to note during the installation process.

Conventions:

This manual uses the following eye-catching symbols to identify areas that should be observed during operation, and the meaning of these symbols are as follows:

	This icon indicates a warning that needs attention
	The icon indicates the necessary additional information on descriptions of operation content.
	The icon indicates a reminder of what to pay attention to during operation, which may lead to equipment damage or harm to humans if operated incorrectly.
	Use only in non-tropical climates for safety
	Use only at altitudes of 2000m and below for safety

Scope of application and reading target:

This manual is applicable to 2.5/10Gbps Ethernet switch series.

This manual is suitable for network engineers or network management persons who have some based network knowledge.

Contents

Chapter One: Product Introduction

1.1 Interface definition	P1
1.2 Indicator definition	P3

Chapter Two: Installation Precautions

2.1 Installation Safety Precautions	P3
2.2 Installation Environment Precautions	P4

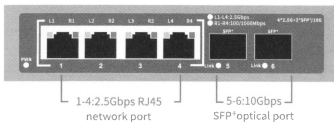
Chapter Three: Hardware Connection

3.1 Connecting to RJ45 Port	P6
3.2 Connecting to SFP Port	P6
3.3 Connecting to Power Cable	P7

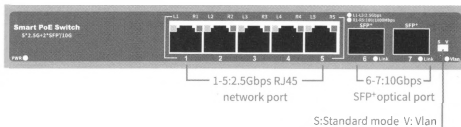
Chapter One: Product Introduction

1.1 Interface definition

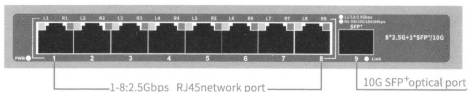
4*2.5G+2SFP+/10G front panel interface definition



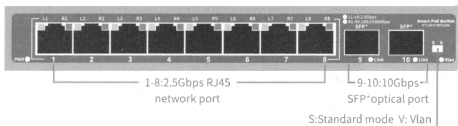
5*2.5G+2SFP+/10G front panel interface definition



8*2.5G+1SFP+/10G front panel interface definition



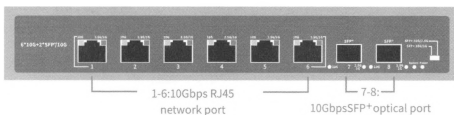
8*2.5G+2 SFP+/10G front panel interface definition



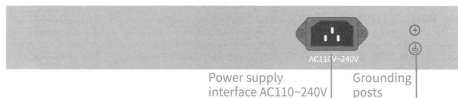
4*2.5G+2SFP+/5*2.5G+2SFP+/8*2.5G+1SFP+/8*2.5G+2SFP+ back panel interface definition



6*10G+2*SFP+/10G front panel interface definition



6*10G+2*SFP+/10G back panel interface definition



1.2 Indicator Definition

Indicator Name	Indicator Mark	Working Status	Description
Power Indicator	PWR/Power	On	Switch power supply is normal
		Off	The switch is not powered on or the power supply is not normal
West Furnace Indicator	System	Flashing	Blinking on power-up, system start-up in progress
		On	The system is powering on
Network Status Light	L1-L8	On	The rate of the corresponding port is 2.5Gbps
		Flashing	Data in transit
		Off	Not connected to network devices
	R1-R8	On	The rate of the corresponding port is 100/1000Mbps
		Flashing	Data in transit
		Off	Not connected to network devices
	Link	On	The rate of the corresponding port is 100M/1G /2.5 /10Gbps
		Flashing	Data in transit
		Off	Not connected to network devices
	10G	On	The rate of the corresponding port is 10Gbps
		Flashing	Data in transit
		Off	Not connected to network devices
	1G	On	The rate of the corresponding port is 1Gbps
		Flashing	Data in transit
		Off	Not connected to network devices



Note: Please use the original power adapter.
The power socket should be installed in an easily accessible location near the device for easy operation.

Chapter Two: Installation Precautions



Note: To avoid personal injury caused by improper use of equipment, please observe the following precautions.

2.1 Installation Safety Precautions

- Please keep the power off during the installation.
- The switch works properly only when supplied by correct power, please make sure that the power supply voltage matches the voltage indicated on the switch;
- Before powering on the switch, please make sure that the power supply circuit will not be overloaded to avoid affecting the normal

- operation of the switch or even causing unnecessary damage;
- To avoid the risk of electric shock, don't open the housing when the switch is working, don't open it on your own, even when it is not charged.

2.2 Installation Environment Precautions

(1) Temperature / humidity

Please maintain a certain temperature and humidity of the environment, in order to ensure the long-term stable operation of the switch and extend the operation life. It will be easily caused leakage, deformation and even metal corrosion of insulating materials when the environmental humidity is too high or too low, it will accelerate the aging process of insulating materials and seriously affect the service life of equipment badly when temperature is too high.

The normal operating and storage temperature / humidity of the series of switches are as follows:

Environment Description	Humidity	Relative humidity
Work Environment	-10°C--55°C	10%--90%RH without condensation
Storage Environment	-40°C--70°C	5%--90%RH without condensation

(2) Indoor dustproofing

Dust falling on the surface of the switch can cause electrostatic adsorption, making poor contact with the metal contacts. Although the equipment itself has taken certain measures to prevent static electricity, when it exceeds a certain strength, it can still cause fatal damage to the electronic components on the internal circuit boards.

To avoid static electricity affecting the normal work of the equipment, please pay attention to the following matters.

- Regular dust removal, keep the indoor air clean.
- Confirm that the equipment is well grounded to ensure the smooth transfer of static electricity.

(3) Electromagnetic interference

Electromagnetic interference can affect the capacitance, inductance, impedance and other electronic components inside the equipment by means of capacitive coupling, inductive coupling, etc. In order to reduce the adverse effects caused by electromagnetic interference, please note the following:

- Power supply system to take the necessary anti-grid interference measures.
- The switch should be far from high-frequency high-power, high-current equipment, etc. take electromagnetic shielding measures when necessary.

(4) Lightning protection needs

When a lightning strike occurs, a strong current will be generated for an instant, which can cause fatal damage to electronic equipment, in order to achieve a better lightning protection.

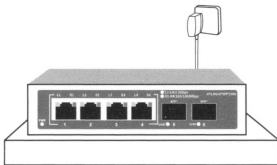
Please pay attention to the following matters:

- Make sure that the rack is in good contact with the earth.
- Make sure that the power outlet is in good contact with the earth.
- Wiring reasonably to avoid internal induction lightning.
- For outdoor wiring, it is recommended to use signal lightning protector.

(5) Mounting table

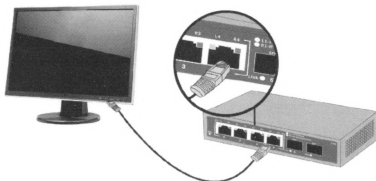
Whether the switch is mounted in a rack or on another horizontal work table, please note the following points:

- Confirming that the rack or work table is stable and firm;
- Confirming that the rack itself has a good heat dissipation system, or keep the room well ventilated;
- Confirming that the rack is well grounded power outlet and the switch is no more than 1.5 meters away.



Chapter Three: Hardware Connection

3.1 Connecting to RJ45 Port



Picture3-1: RJ45 Port connection diagram

3.1.2 After powering up, please check the status of the corresponding indicator. If the light is on, it means the link is connected normally, and if the light is off, it means the link is not working, please check the line and make sure the equipment at the opposite end is enabled.

3.2 SFP+ Port connection diagram

3.2.1 Grasp the fiber module from the side and insert it smoothly along the switch SFP port slot until the fiber module is in tight connection with the switch as shown in Figure 3-2.

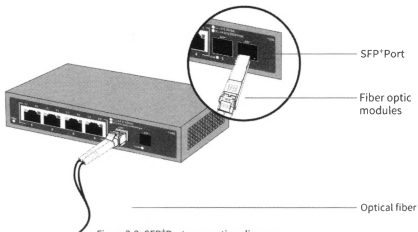


Figure3-2: SFP+Port connection diagram

3.2.2 When connecting, check the Rx and Tx ports of the fiber module, insert one end of the fiber into the Rx and Tx ports correspondingly, and make sure the TX and Rx ends of the interface are connected correctly. Also, the other end of the fiber is connected to another device.

3.2.3 After power on, please check the state of the corresponding indicator. If the light is on, it means the link is connected normally, while the light is off, it means the link is not working, please check the line and make sure the equipment linked is switched on.

3.3 Connecting to power cable

3.3.1 Check that the power supply selected is consistent with the power requirements indicated on the switch.

3.3.2 Use the original power cord of the switch to connect the switch to the power outlet, as shown in Figure 3-3.

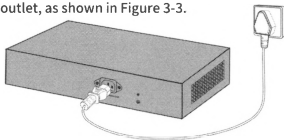


Figure 3-3: Power connection diagram